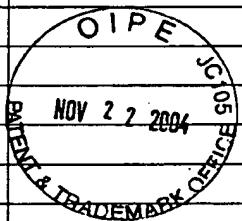


Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				COMPLETE IF KNOWN	
				Application Number	10/814,474
				Filing Date	March 31, 2004
				First Named Inventor	Sachs, Jeffrey R. et al.
				Group Art Unit	2881
				Examiner Name	Berman, Jack I.
Sheet	1	of	4	Attorney Docket Number	
				21344Y	

U.S. PATENT DOCUMENTS



FOREIGN PATENT DOCUMENTS

Examiner
Signature

Jack Berman

Date Considered

1/11/2005

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450. Computer generated form "IDS Form" (IDS Folder), Merck & Co., Inc., 09/05/2003

Substitute for form 1448B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				COMPLETE IF KNOWN	
				Application Number	10/814,474
				Filing Date	March 31, 2004
				First Named Inventor	Sachs, Jeffrey R. et al.
				Group Art Unit	2881
Examiner Name	Berman, Jack I.				
Sheet	2	of	4	Attorney Docket Number	21344Y

NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.
JB		Andersen, J. et al. "Proteomic characterization of the human centrosome by protein correlation profiling", Nature, 2003, Vol. 426, pp. 570-574
JB		Ball, G. et al. "An integrated approach utilizing artificial neural networks and SELDI mass spectrometry for the classification of human tumours and rapid identification of potential biomarkers", Bioinformatics, 2002, Vol. 18, pp. 395-404
JB		Banez, L. et al. "Diagnostic Potential of Serum Proteomic Patterns in Prostate Cancer", The Journal of Urology, 2003, Vol. 170, pp. 442-446
JB		Chelius, D. et al. "Quantitative Profiling of Proteins in Complex Mixtures Using Liquid Chromatography and Mass Spectrometry", Journal of Proteome Research, 2002, Vol. 1, pp. 317-323
JB		Fang, J. et al. "Quadratic Detectors for Energy Estimation", IEEE Trans. Signal Processing, 1995, Vol. 43, pp. 2582-2594
JB		Flory, M. et al. "Advances in quantitative proteomics using stable isotope tags", Trends in Biotechnology, 2002, Vol. 20, No. 12 (Suppl.), pp. S23-S29
JB		Frank, R. et al. "Clinical Biomarkers in Drug Discovery and Development", Nature, 2003, Vol. 2, pp. 566-580
JB		Friedman, D. et al. "Proteome analysis of human colon cancer by two-dimensional difference gel electrophoresis and mass spectrometry", Proteomics, 2004, Vol. 4, pp. 793-811
JB		Gillespie, B. et al. "Optimizing Time-Frequency Kernels for Classification", IEE Transactions of Signal Processing, 2001, Vol. 49, pp. 485-496
JB		Glish, G. et al. "The Basics of Mass Spectrometry in the Twenty-First Century", Nature, 2003, Vol. 2, pp. 140-150
JB		Hastings, C. et al. "New algorithms for processing and peak detection in liquid chromatography/mass spectrometry data", Rapid Communications in Mass Spectrometry, 2002, Vol. 16, pp. 462-467
JB		Idborg-Bjorkman, H. et al. "Screening of Biomarkers in Rat Urine Using LC/Electrospray Ionization-MS and Two-Way Data Analysis", Analytical Chemistry, 2003, Vol. 75, pp. 4784-4792
JB		Issaq, H. et al. "SELDI-TOF MS for Diagnostic Proteomics", Analytical Chemistry, 2003, Vol. 75, pp. 149A-155A
JB		Juang, B. et al. "On the Use of Bandpass Lifting in Speech Recognition", 1987, Vol. ASSP-35, pp. 947-954
JB		Lee, Y. et al. "Protein chips: from concept to practice", Trends in Biotechnology, 2002, Vol. 20, No. 12 (Suppl.), pp. S14-S18

Examiner Signature	Jack Berman	Date Considered	1/11/2005
--------------------	-------------	-----------------	-----------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450. Computer generated form "IDS Form" (IDS Folder), Merck & Co., Inc., 09/05/2003

Substitute for form 1449B/PTO				COMPLETE IF KNOWN	
INFORMATION DISCLOSURE				Application Number	10/814,474
STATEMENT BY APPLICANT				Filing Date	March 31, 2004
(use as many sheets as necessary)				First Named Inventor	Sachs, Jeffrey R. et al.
Sheet	3	of	4	Group Art Unit	2881
				Examiner Name	Berman, Jack I.
				Attorney Docket Number	21344Y

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.			
JB		Lieberman, S. et al. "Identification of the β cell antigen targeted by a prevalent population of pathogenic CD8+ T cells in autoimmune diabetes", Proc. Natl. Acad. Sci. USA, 2003, Vol. 100, pp. 8384-8388			
JB		Lim, C. et al. "Current Development in LC-MS for Pharmaceutical Analysis", Biol. Pharm. Bull., 2002, Vol. 25, pp. 547-557			
JB		Link, A. et al. "Direct analysis of protein complexes using mass spectrometry", 1999, Nature Biotechnology, Vol. 17, pp. 676-682			
JB		Link, A. "Multidimensional peptide separations in proteomics", Trends in Biotechnology, 2002, Vol. 20, No. 12 (Suppl.) pp. S8-S13			
JB		Naureckiene, S. et al. "Identification of <i>HE1</i> as the Second Gene of Niemann-Pick C Disease", Science, 2000, Vol. 290, pp. 2298-2301			
JB		Ong, S. et al. "Mass spectrometric-based approaches in quantitative proteomics", Methods, 2003, Vol. 29, pp. 124-130			
JB		Ong, S. et al. "Properties of 13C-Substituted Arginine in Stable Isotope Labeling by Amino Acids in Cell Culture (SILAC)", Journal of Proteome Research, 2003, Vol. 2, pp. 173-181			
JB		Ong, S. et al. "Stable Isotope Labeling by Amino Acids in Cell Culture, SILAC, as a Simple and Accurate Approach to Expression Proteomics", Molecular & Cellular Proteomics, 2002, Vol. 1, pp. 376-386			
JB		Pauler, D. et al. "Predicting time to prostate cancer recurrence based on joint models for non-linear longitudinal biomarkers and event time outcomes", Statistics in Medicine, 2002, Vol. 21, pp. 3897-3911			
JB		Petricoin, E. et al. "Proteomic analysis at the bedside: early detection of cancer", Trends in Biotechnology, 2002, Vol. 20, No. 12 (Suppl.), pp. S30-S34			
JB		Petricoin, E. et al. "Serum Proteomic Patterns for Detection of Prostate Cancer", Journal of the National Cancer Institute, 2002, Vol. 94, pp. 1576-1578			
JB		Petricoin, E. et al. "Use of proteomic patterns in serum to identify ovarian cancer", The Lancet, 2002, Vol. 359, pp. 572-577			
JB		Pitton, J. et al. "Discrete-Time Implementation of the Cone-Kernel Time-Frequency Representation", IEEE Trans. Signal Processing, 1995, Vol. 43, pp. 1996-1998			
JB		Qu, Y. et al. "Boosted Decision Tree Analysis of Surface-enhanced Laser Desorption/Ionization Mass Spectral Serum Profiles Discriminates Prostate Cancer from Noncancer Patients", Clinical Chemistry, 2002, Vol. 48, pp. 1835-1843			
JB		Ryan, T. et al. "Proteomics: drug target discovery on an industrial scale", Trends in Biotechnology, 2002, Vol. 20, No. 12 (Suppl.), pp. S45-S51			

Examiner Signature	Jack Berman	Date Considered	1/11/2005
--------------------	-------------	-----------------	-----------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450. Computer generated form "IDS Form" (IDS Folder), Merck & Co., Inc., 09/05/2003

Substitute for form 1449B/PTO				COMPLETE IF KNOWN	
INFORMATION DISCLOSURE				Application Number	10/814,474
STATEMENT BY APPLICANT				Filing Date	March 31, 2004
<i>(use as many sheets as necessary)</i>				First Named Inventor	Sachs, Jeffrey R. et al.
				Group Art Unit	2881
				Examiner Name	Berman, Jack I.
Sheet	4	of	4	Attorney Docket Number	21344Y

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.			
JB		Sechi, S. et al. "Quantitative proteomics using mass spectrometry", Current Opinion in Chemical Biology, 2003, Vol. 7, pp. 70-77			
JB		Sidransky, D. et al. "Serum Protein MALDI Profiling to Distinguish Upper Aerodigestive Tract Cancer Patients From Control Subjects", Journal of the National Cancer Institute, 2003, Vol. 95, pp. 1711-1717			
JB		Smith, R. "Trends in mass spectrometry instrumentation for proteomics", Trends in Biotechnology, 2002, Vol. 20, No. 12 (Suppl.), pp. S3-S7			
JB		Tammen, H. et al. "Expression profiling of breast cancer cells by differential peptide display", Breast Cancer Research and Treatment, 2003, Vol. 79, pp. 83-93			
JB		Tao, W. et al. "Advances in quantitative proteomics via stable isotope tagging and mass spectrometry", Current Opinion in Biotechnology, 2003, Vol. 14, pp. 110-118			
JB		Uchida, T. et al. "Application of a Novel Protein Biochip Technology for Detection and Identification of Rheumatoid Arthritis Biomarkers in Synovial Fluid", Journal of Proteome Research, 2002, Vol. 1, pp. 495-499			
JB		Wang, W. et al. "Quantification of Proteins and Metabolites by Mass Spectrometry without Isotopic Labeling or Spiked Standards", Analytical Chemistry, 2003, Vol. 75, pp. 4818-4826			
JB		Wiener, M. et al. "Differential Mass Spectrometry: A Label-Free LC-MS Method for Finding Significant Differences in Complex Peptide and Protein Mixtures", Analytical Chemistry, 2004, Vol. 76, pp. 6085-6096			
		Williams, A. et al. "Compare LCMS—Extracting Component Differences in Similar LC/MS Data Sets", Advanced Chemistry Development, 2001			
JB		Ye, B. et al. "Haptoglobin- α Subunit As Potential Serum Biomarker in Ovarian Cancer: Identification and Characterization Using Proteomic Profiling and Mass Spectrometry", Clinical Cancer Research, 2003, Vol. 9, pp. 2904-2911			
JB		Zhu, W. et al. "Detection of cancer-specific markers amid massive mass spectral data", Proc. Natl. Acad. Sci. USA, 2003, Vol. 100, pp. 14666-14671			
JB		Caprion Pharmaceuticals, Inc., Presentation to Merck, February 14, 2003			

Examiner Signature	Jack Berman	Date Considered	1/11/2005
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			